

**MULTI-PLATFORM AIRCRAFT FORWARD POSITION  
LIGHT UTILIZING LED-BASED LIGHT SOURCE**

**ABSTRACT OF THE DISCLOSURE**

An aircraft forward position lighting device (1) has a modular  
5 configuration, including a mounting module (20) containing solid-state  
light sources, e.g., light-emitting diodes (LEDs) (210, 230). The mounting  
module also includes reflectors 220. The pattern of light emanating from  
the light sources and reflectors satisfy Federal Aviation Regulations  
(FARs) regarding minimum light intensity. The device includes a cut-off  
10 shield module (10) configured to provide angular cut-offs to the pattern of  
light, so that the device satisfies FARs regarding overlap between position  
lights. The device may also include a base assembly module (30) that  
contains electronic circuitry connecting the light sources to a power  
source in the aircraft. Electronic updates may be performed by replacing  
15 the base assembly module.